



**NRG**

**INDUSTRIAL PTY LTD**

# **COMMERCIAL CAPABILITY STATEMENT**



## NRG Industrial Pty Ltd

ABN	47 139 584 053
Electrical Licence	72078
Year Established	2009
Managing Director	Grantley Jack
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NRG Industrial Pty Ltd (NRG) is a privately owned electrical contracting company, established in 2009 by Grantley Jack, NRG's Managing Director. Grantley has a Diploma in Management and an Advanced Diploma in Mine Electrical Engineering Management. As an electrician he has over 25 years commercial, industrial and mining experience. Highly regarded in the electrical industry, he is one of few members of the Australian Standards Review Committee and is an experienced Electrical Engineering Manager. Grantley is primarily responsible for business development and client relationships.





# ABOUT



**NRG is a leading supplier of electrical contracting services throughout Queensland for industrial and commercial clients, mining and energy companies, top tier contractors and government entities.**

NRG specialise in installation, commissioning, maintenance, repairs and project management with additional capabilities in high voltage, hazardous areas, engineering and consultancy. We service mining, industrial and commercial clients throughout Queensland, with our head office and workshop located on the Capricorn Coast.

We supply plant, test equipment and materials to complete projects of all sizes, as well as routine field maintenance and emergency breakdown assistance. With NRG, you receive a customised electrical solution using the latest technology, reliable brands and quality components in accordance with best practice and Australian Standards.

All work is completed by our fully trained workforce. Their level of commitment, technical capability and experience provides clients with a value for money service. From start to finish you will get the same personnel, facilitating workflow and project delivery. We currently employ a core workforce of 30+ people with a proven capacity to upscale at short notice, depending on workflow and project requirements.

Our financial strength combined with our technical capability and depth of experience gives clients confidence in our ability to complete projects of all sizes. Supported by certified quality, safety and environmental management systems, we have a proven track record of delivering safe, cost effective and quality service.

# CAPABILITIES

NRG has comprehensive experience in delivering electrical services to commercial, industrial and mining clients throughout Queensland from our office and workshop based on the Capricorn Coast. We are a small business with the expertise, experience and financial strength of a top tier contractor giving us the capacity to complete projects of all sizes. We supply all the plant, test equipment and materials to complete contracted tasks. We provide reliable brands and quality components sourced from original equipment manufacturers in accordance with customer design specifications and Australian Standards. All work is completed by our experienced workforce who have the technical capability, training and competencies appropriate to task. With their knowledge of current standards, regulations and codes of practice, clients can be assured of receiving trusted advice and quality work. Combined with our competitive rates, we offer a value for money service on all projects.

Competitive rates

Technical capability

Comprehensive catalogue of plant and test equipment

Materials supplied from OEM

Financial strength and stability

Quality, Safety and Environmental Accreditation

## MARKET SECTORS

### COMMERCIAL

Accommodation facilities, commercial buildings, sporting facilities, offices, restaurants and insurance work.

### INDUSTRIAL

Rail electrical infrastructure, industrial complexes, area, street and traffic lighting, fuel farms, water and sewerage infrastructure, electrical equipment - generators and welders.

### RESIDENTIAL/ INFRASTRUCTURE

Subdivision infrastructure, residential installation, maintenance and repairs

### MINING

Draglines, shovels, trucks, process plants and ancillary infrastructure - conveyors, stackers, reclaimers, samplers, weightometers, stockpile lighting, train load out systems, materials handling facilities.

## AREAS OF EXPERTISE

NRG's specialist areas of expertise include electrical installation, commissioning and maintenance services including wiring, lighting, switchboards, MCC's, overhead and underground cabling, PLC programming, telemetry and high voltage services.





# SPECIALIST SERVICES

## HIGH VOLTAGE

NRG are a specialist high voltage contractor - we take care of full design, fabrication, installation and commissioning of high voltage infrastructure projects, as well as delivering maintenance.

- Substation maintenance
- Overhead lines
- Switchboards
- High voltage audits and
- Inspection, testing and statutory compliance

## HAZARDOUS AREAS

We can manage electrical equipment in hazardous and restricted access areas, including comprehensive risk management and planning.

- Explosive protective equipment repair and installation
- Maintain equipment in hazardous areas
- Certification of explosion protection equipment
- Hazardous area audits.

## ENGINEERING AND CONSULTANCY

We provide a full electrical engineering and consultancy service, for short and long-term projects, as well as one-off technical advice.

- Drafting services
- Technical advice
- Cost efficiency strategies
- Machine utilisation efficiency
- Maintenance programs.

## STATUTORY TESTING AND AUDITS

NRG provides statutory testing and compliance audits of electrical equipment to ensure your workplace complies with legislation, standards and codes of practice.

- HV and LV testing
- Electrical audits
- High voltage audits
- Hazardous areas audits
- Compliance, and
- Test and tag service.

# CORE SERVICES

## DESIGN, INSTALLATION AND COMMISSIONING

NRG are experienced at delivering a comprehensive suite of electrical services across a range of industry-specific applications.

- Wiring installations
- Lighting
- Switchboards
- Substations
- Overhead and underground reticulation and distribution
- Instrumentation and process control
- Air conditioning
- Communications
- High voltage, low voltage
- Hazardous areas.

## MAINTENANCE & REPAIRS

Our maintenance and repair services keep clients' assets operating at peak performance, reducing operational costs, optimising reliability and extending life of equipment.

- Modifications, upgrades, overhauls, rebuilds and repairs
- Maintenance and repairs of HV and LV infrastructure
- 24/7 breakdown response and technical support
- Development and implementation of preventative maintenance programs
- Condition monitoring and assessment
- Evaluation of diagnostic data
- Asset performance and efficiency improvements

## PROJECT MANAGEMENT

Whether it's a comprehensive project management package or one project manager, we provide personnel with the experience to suit your project, supported by business management systems and scheduling software to assist with delivery.

- Scoping
- Planning
- Procurement
- Logistics
- Quality assurance
- HSE
- Project execution
- Progress reports
- Commissioning and handover to client.

We can draw additional capability from our network of preferred contractors to provide our client with a single solution to complex projects.

## TEST AND TAG

We use Australia's most advanced testing, tag printing and asset management system. Ideal for high volume applications, saving you time and money.

- Latest technology
- Fully qualified technicians
- Mobile onsite service
- Electrical asset register and test report
- Reminder service.

## LABOUR HIRE

Available for labour hire or to complement project work, NRG supply skilled labour with industry expertise at competitive rates.

- Electrical engineers
- Project Managers
- Supervisors
- Tradespeople
- Instrument technicians
- Trades assistants
- Operators
- Commissioning crews
- High voltage switching specialists
- Hazardous areas electricians, and
- HSE advisers.

## REMEDIAL WORKS

We rectify pre-existing faulty installations and equipment that are non-compliant with Australian Standards, codes of practice or design specifications. NRG produces work to the highest standards. Our skilled tradespeople re-fit faulty installations using the correct product and procedures to ensure your equipment complies.

## WORKSHOP

- Switchboard maintenance, repairs and reconfiguration (HV and LV)
- Electrical assembly of distribution boards, switchboards and other custom enclosures
- Transportable substation modifications
- Clean, inspection, testing and repairs of lighting, generators and mobile electrical plant



# CLIENTS

NRG has delivered many projects across a range of sectors throughout Queensland for global resource companies, government entities, commercial and industrial clients. Our specialist industry knowledge and expertise also makes us a valuable partner to top tier contractors.

## Our clients include:

- Advanced Buildings
- Aurizon
- Department of Housing and Public Works
- Department of Natural Resources and Mines
- Department of Transport and Main Roads
- JRT Civil Pty Ltd
- Livingstone Shire Council
- Mercure Capricorn Resort
- NthStar Insurance
- Queensland Health
- Rockhampton City Council
- Sibelco
- Sunshine Coast Council
- Vision Stream



# EQUIPMENT AND HIRE

**NRG's fleet of service vehicles, plant and equipment are fully equipped for project works, field maintenance and emergency breakdowns. We supply qualified operators and our equipment is also available for dry hire.**

- Service vehicles
- Welders
- Lighting plants
- Generators
- Compressors
- Elevated work platforms
- Tip truck
- Insulated bucket truck
- Excavator
- Drone - DJI Phantom 3 Advanced
- General earthmoving equipment
- Amenities

We have an extensive range of meters and specialist equipment for inspection, testing, condition monitoring and trouble shooting.

- Multi clamp meters
- Insulation testers
- HV testers
- Cable locators
- Ohmmeters
- Earth testers
- Current clamps
- Thermal imaging cameras
- Calibrators
- Circuit breaker analysers
- Ohmmeters
- Gas detecting units.

**NRG supply all the resources to complete your project as part of our full service. We provide fit-for-purpose solutions using the latest technology and quality OEM components.**





# WORKFORCE

NRG has a diverse and skilled workforce consisting of project managers, supervisors, engineers, instrument technicians, tradespeople and support staff with a mix of resource sector, commercial and industrial expertise.

We have a pool of 30+ employees to draw from and a capacity to upscale at short notice depending on project requirements. We offer consistency of people and continuity of service, committing the same personnel to projects from start to finish, facilitating workflow and project delivery.

Our highly skilled, service orientated workforce consistently produce safe, reliable and quality work. Combined with our competitive rates, our client receive a value for money service.

## TRAINING & SKILLS

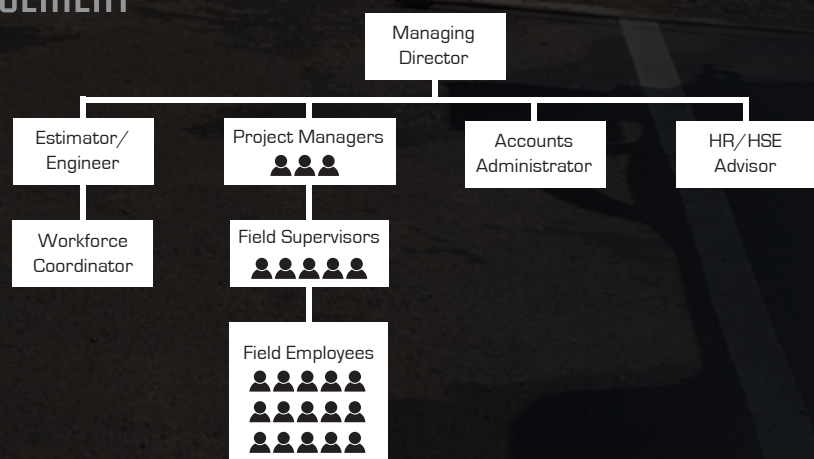
NRG operate an effective HR process which incorporates careful curation and monitoring of our employees' capabilities, to ensure we supply fully trained personnel with the experience and skill set to suit each project.

Our workforce is continually trained to maintain their skills and develop their individual capabilities, which enables us to expand our services and grow our business.

Regular training for our employees covers:

- High voltage
- Hazardous areas
- Working at heights
- Elevated work platform
- Confined spaces
- Supervisor training
- Safety and risk management training
- CPR, LVR and first aid
- Safe systems of work
- Industry inductions
- Apprenticeships and mentoring

## MANAGEMENT





# PROJECTS

## Design, Installation & Commissioning

### *Intersection Lighting - Parkhurst*

**Client:** Department of Transport and Main Roads  
**Value:** \$250,000

NRG were engaged as a sub-contractor to install and commission street lighting and traffic signals. The project was located at the upgraded intersection of Boundary Road and Yaamba Road in Parkhurst, as part of a wider shopping centre development works, and was completed in accordance with strict TMR specifications.

### *NBN Rollout*

**Client:** Vision Stream  
**Value:** \$50,000

Provision of electrical services for the deployment of NBN infrastructure in the Rockhampton region. This included copper and fibre optic cabling, network installation of pillars, fibre to the node and cabinets. Civil works included trenching, vac truck excavations, directional boring, asphaltting, concreting and landscaping.

### *Fire Suppression System*

**Client:** Wormald  
**Value:** \$750,000

Electrical installation of fire suppression system at BMA Peak Downs CHPP. This project was initially behind schedule and suffered from poor quality workmanship. The principal contractor engaged NRG to replace the electrical subcontractor. NRG's involvement saw the project turn around as a direct result of the skill set of our workforce and their high level of commitment to the project. The project was handed over on time.

### *Sewerage Treatment Plant Automation*

**Client:** Great Keppel Island Hideaway  
**Value:** \$50,000

Our services included installation of a PLC control system to optimise operation of the treatment plant and enable quick response to change in conditions, such as loading due to seasonal variations. The PLC features included remote access for reading and adjusting set points in the treatment plant for maintenance personnel and consultants on the mainland.

### *Apartment Complex Electrical Rewire Mooloolaba*

**Client:** Advanced Buildings  
**Value:** \$300,000

A basement car park fire destroyed the integrity of the core electrical infrastructure of the building. NRG were engaged to decommission damaged components and install new wiring and switchboards, whilst maintaining continuity of power supply for residents during restoration.

## Maintenance and Repairs

### *HV Breakdown Repairs*

**Client:** Mercure Capricorn Resort  
**Value:** \$120,000

NRG completed HV emergency repair works resulting from a fault on the 11kV distribution circuit, causing loss of all power to the resort and thousands of other customers connected to the grid. NRG provided all resources including workforce, HV equipment, insulated bucket truck, and project management to bring main systems back online. We also supplied and maintained generators to keep services running during repairs.

### *HV Electrical Maintenance*

**Client:** Aurizon  
**Value:** \$150,000

NRG were engaged to manage the high voltage distribution network at Aurizon's rail maintenance facility in Rockhampton. Services include planned high voltage maintenance, supported by a 24 hour, 7 day breakdown service, minimising downtime to their operations..

### *Test & Tag Services & RCD Testing*

**Client:** Queensland Health

NRG was awarded the contract to provide inspection and testing services, including portable appliances, RCD testing and minor repairs identified as a result of this service. Work is completed in accordance with the requirements of AS 3760:2010 by qualified technicians using latest technology instruments suited to high volume applications. Our service is provided onsite with no disruption, and the client is provided with an electrical asset register and test report.

## Maintenance and Repairs

### *Service Station Maintenance and Repairs*

**Client:** Triple Eight

NRG performs electrical repairs and maintenance on service station sites throughout Central Queensland, as a WPCG Accredited Contractor.

## Specialist Services

### *High Voltage Audit*

**Client:** Department of Natural Resources and Mines  
**Value:** \$40,000

NRG performed an audit and report of aging HV infrastructure at Mt Morgan Mine to determine defects and repair/replacement requirements to restore to a compliant and serviceable condition.

### *Switchboard Audit*

**Client:** BMA Saraji  
**Value:** \$50,000

NRG were engaged to audit and report on aging switchboards across site to determine defects and repair/replacement requirement. This then led a repair and replacement project for the defective switchboards, in accordance with site and industry specifications.

### *Pole Audit*

**Client:** Sibelco  
**Value:** \$50,000

A HV audit was completed on 11kV and 66kV poles and accompanying aerial infrastructure to determine their condition and identify potential risks. This included assessment of vegetation clearance, condition of poles and pole furniture. Initial assessment was undertaken from our drone with follow up inspection by EWP after confirmation of aerial photos..

### *Thermal Imaging Assessment and Report*

**Client:** Capricorn Resort  
**Value:** \$5,000

NRG performed thermal scan throughout the resort's peak period to identify issues and make recommendations for improvements.



# ACCREDITATION

## SAFETY: AS/NZS 4801

NRG is committed to providing a safe working environment for our employees, sub-contractors, customers and members of the public. We aim to achieve our goal of Zero Harm through the implementation of our Safety Management System. This describes the guiding principles on how we effectively manage our safety practices and is driven by a risk management approach. We promote a positive safety culture through leadership, communication and consultation with all stake holders. Our workforce shares our commitment to Zero Harm by complying with safe work practices and positive safety behaviours.

## QUALITY: ISO 9001

Our clients can be confident of receiving electrical service and products of the highest standard, on time and budget. Our Quality Management System describes the process we have in place for delivering each stage of our business and services. It provides a platform for NRG to continually improve through planning, implementation, monitoring and review of our work practices.

## ENVIRONMENT: ISO 14001

NRG minimises its environmental footprint by integrating environmentally considerate work practices throughout our business and services. Our management system includes an environmental standard of good practice for managing risks associated with the use of:

- Motor vehicles
- Electricity
- Water
- Packaging
- Paper and other recyclables
- Oil and fuel storage and
- Resource sharing and waste minimisation



## COMMUNITY

NRG has strong ties with the people and communities in which we live and work. We recognise our social responsibility to give back to the community for supporting our business and services. We aim to employ local people and support procurement from local suppliers.

We assist a variety of community groups, non-profit organisations, charities and fundraising events through sponsorship, financial contributions and volunteering. NRG support the following organisations:

- Variety the Children's Charity
- RACQ Helicopter Service
- Prostate Cancer (Battle of the Mines Golf Day)
- Yeppoon Rugby League
- Capricorn Coast Netball association.

NRG are also members of the following industry associations:

- Mine Electricians Safety Association (MESA)
- Master Electricians Australia
- Australian Standards Review Committee





# NRG

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